

PROCESS SPECIFICATION

ERA AVIATION INC.

GULF COAST DIVISION LAKE CHARLES, LOUISIANA

PROCESS SPECIFICATION NO. 4002
INSERT INSTALLATION - HONEYCOMB PANELS

DAIL
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Production: 1/2 /5/190
Mark Jones

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IR 1	++++++++++++++++++++++++++++++++++++++	2/3/87 5/7/90	++++++++++++++++++++++++++	ALL	++++++++++++++++++++++	ADD ADDITIONAL INSERT INSTRUCTIONS	+++++++++++++++++++++++++++++++++++++++	/3/87
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3.2 Remo 3.3 Prepa 3.4 Appl 3.5 Insta 3.6 Clear areas on th	NSTALLATION PROCEDURES						
3.3 Prepa 3.4 Appl 3.5 Insta 3.6 Clear areas on th	rill panel at proper location ugly in hole.	with #30 drill. Increase ho	le diameter to allow i	nsert to fit			
3.4 Appl 3.5 Insta 3.6 Clear areas on th	emove core to a minimum o	of 1/16 inch larger than diar	neter of insert.				
3.5 Insta 3.6 Clear areas on th	epare adhesive in accordance	ce with manufacturer's inst	ructions.				
3.6 Clear areas on th	pply layer of adhesive to bo	ottom of insert.					
areas on th	stall insert into panel and in	nject adhesive as shown in I	Figure 1.				
	lean off excess adhesive. The eas shall be removed before the surface outside the bond.E.K. Observe safety preca	e curing. This excess and a and area shall be cleaned off	ny adhesive that may using a clean rag mo	have collected			
4. QUALITY S	Y STANDARDS						
4.1 The	he surface of the insert shou	ıld be flush with the surface	e of the panel.				
4.2 The	he surface of the insert shou	ald be parallel to the surface	e of the panel.				

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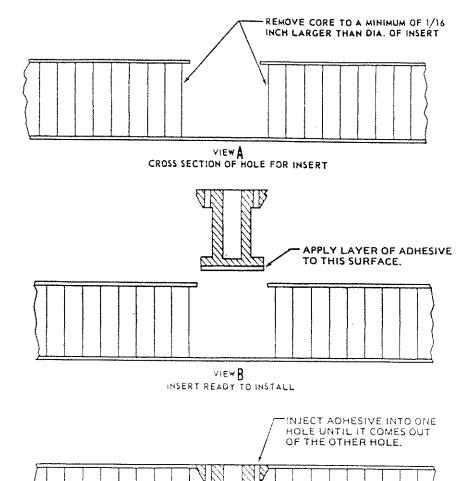


FIGURE 1

VIEW C

POTTING COMPOUND-

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	INST	ALLATION PROCE	DURES GROMMET	-TYPE AND BLINE	OVAL HEAD I	NSERTS
	Inject and bl	ing Grommet-Type a lind oval-head inserts	and Blind Oval-Head less shall be injected in the	Inserts - Two piece grane following manner:	commet-type spac	ce for inserts
	5.1		panel faces and core (from 1/16 to 1/8 inch			t) enlarge hole
	5.2	Deburr hole in face	sheets and dimple if	flush-type insert is to	be used. See Fig	gure 2.
	5.3	Apply adhesive to	flange of inserts and i	nstall. See Figures 2	and 3.	
-	5.4		l inserts, a washer and tel and protect the inse			
	5.5	or face. Angle the	ch injection hole in th injection hole down t anner. Injection holes tures 3, 4, and 5.	o the center of insert.	Drill another ho	le on opposite
	5.6		sive into only one of t g from the other hole.		oles until a stead	y flow of
	5.7	Remove excess ad	hesive. See paragraph	n 3.6.		
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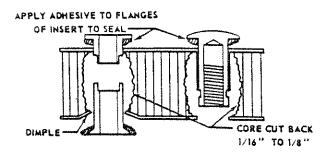


FIG. 2

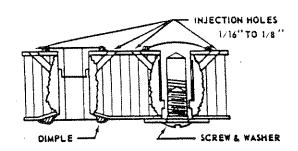


FIG. 3

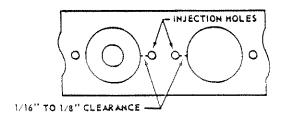


FIG. 4

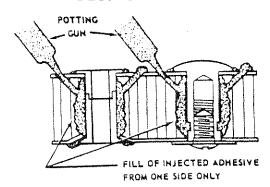


FIG. 5

PA	$^{\prime}$ GE	5	OF	5
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6. EDGE FILLING

- 6.1 The insert material covered by this specification can also be used as an edge filler.
- Lay down the honeycomb core edge to a minimum of .12 maximum .18. See Figure 6. 6.2
- 6.3 Fill void with EA934.
- 6.4 Tape edges previously filled with EA934. Allow to cure.
- Remove masking tape. Sand excess EA934 to desired finish. See Figure 7. 6.5

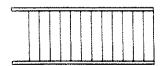


FIG. 6 LAY DOWN HONEY COMB TO .12 MIN. - .18 MAX

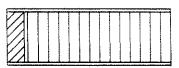


FIG. 7 SAND TO SMOOTH SQUARE EDGE

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